# Public Participation Opportunity Tennessee Department of Environment and Conservation (TDEC)

# Division of Water Pollution Control Notice Requesting Public Comments on Draft

**Monday, June 11, 2007** 

Public Notice Number: MMVII-011

Public Notice Expiration Date: July 16, 2007

The purpose of this notice is to advise the public of the following draft environmental permits and to solicit comments and information necessary to evaluate the potential impact of the proposed activities on human health and the environment. A list of Notices of Intent (NOIs) that were recently received by the DWPC is available on our web page:

www.tdec.net/wpc/ppo/

# **Individual NPDES Permits**

## **Proposed Modifications**

Applicant name Hamilton County Wastewater Treatment Authority, Signal

**Mountain STP** 

Permit number TN0021211 Permit Writer Initials HVA Discharger rating Minor

County Hamilton EFO Name Chattanooga

Street Address/Location Suck Creek Road

City and Zip Code Signal Mountain, TN 37377

Description of activity Contact stabilization and chlorination; Modification imposes limits on new sewer

connections until collection system overflows are remedied and aligns pathogen

monitoring and limits with current water quality standards for recreation.

Effluent description treated municipal wastewater from discharge 001

Receiving stream Tennessee River at mile 453.7

Facility latitude 35.105000 Facility longitude -85.360278

Applicant name TVA - Allen Fossil Plant

Permit number TN0005355 Permit Writer Initials PRM Discharger rating Major

EFO Name Memphis County Shelby

Street Address/Location 2574 Plant Road City and Zip Code Memphis, TN 38109

Description of activity Modified 316(b) permit requirements because of EPA suspension of rule.

Fossil-fueled steam-electric generating plant with 3 coal-fired units and 20

combustion turbines

Effluent description ash transport water, treated chemical and nonchemical metal cleaning wastewaters,

coal pile runoff, low volume wastes, and storm water runoff from Outfalls 001 and 01A (emergency only), ash transport water, treated chemical and nonchemical metal cleaning wastewaters, precipitator & precipitator pad washdown, low volume wastes, and storm water runoff from Outfall 002 (during interim rerouting period), once through condenser cooling water, miscellaneous equipment cooling and lubricating water, air preheater wash water, selective catalytic reduction water and chemical and nonchemical metal cleaning wastewaters (IMP 006) and reverse osmosis reject wastewater from Outfall 003 and intake screen backwash water from

Outfall 010

Receiving stream McKellar Lake to mile 725.6 of the Mississippi River (Outfalls 001 and 010), Horn

Lake cutoff to McKellar Lake (001A), and Mississippi River at mile 725.0 (002,

Facility latitude 35.075000 Facility longitude -90.162500

Applicant name TVA - Bull Run Fossil Plant (BRF)

Permit number TN0005410 Permit Writer Initials PRM Discharger rating Major

County Anderson EFO Name Knoxville

Street Address/Location 1265 Edgemoor Road

City and Zip Code Clinton, TN 37716

Description of activity Modified 316(b) permit requirements because of EPA suspension of rule. Fossil

fueled steam-electric generating plant

Effluent description ash transport water, chemical and non-chemical metal cleaning wastewaters, coal pile

runoff, low volume wastes, storm water runoff, miscellaneous equipment cooling and lubricating water from Outfall 001; main condenser cooling water, miscellaneous equipment cooling and lubricating water and roof drains from Outfall 002; intake screen backwash water through Outfall 004; and treated metal cleaning waste water

(Internal Monitoring Point 005) via Outfall 001 to Clinch River at mile 48.0.

Receiving stream Clinch River at mile 48.0

Facility latitude 36.019900 Facility longitude -84.154800 Applicant name TVA - Cumberland Fossil Plant

Permit number TN0005789 Permit Writer Initials PRM Discharger rating Major

County Stewart EFO Name Nashville

Street Address/Location 815 Cumberland City Road City and Zip Code Cumberland City, TN 37050

Description of activity Modification to permit to change 316(b) requirements based on suspension by EPA.

Fossil-fueled steam electric generating plant, with capacity of 2,600 megawatts.

Effluent description ash transport water, treated chemical and nonchemical metal cleaning wastewaters,

coal pile runoff, low volume wastes, and storm water runoff through Outfall 001, once through condenser cooling water, miscellaneous equipment cooling and lubricating water, and storm water through Outfall 002, intake screen backwash water through Outfall 004, and chemical and nonchemical metal cleaning

wastewaters through Outfall 007

Receiving stream Cumberland River at mile 103

Facility latitude 36.391667 Facility longitude -87.658333

Applicant name TVA - John Sevier Fossil Plant

Permit number TN0005436 Permit Writer Initials PRM Discharger rating Major

County Hawkins EFO Name Johnson City

Street Address/Location 611 Old Highway 70 City and Zip Code Rogersville, TN 37857

Description of activity Modification to permit to change 316(b) requirements based on suspension by EPA.

Fossil-Fuel power plant with 4 generating units with capacity of 823 MW.

Effluent description ash transport water, chemical and non-chemical metal cleaning wastewaters, coal pile

runoff, low volume wastes, sanitary wastewater effluent, miscellaneous equipment cooling and lubricating water and wastewater from the landfill leachate collection system via Outfall 008, and storm water runoff from Outfall 001, main condenser cooling water, nonprocess wastewater and storm water runoff from Outfall 002, and

air conditioning cooling water from Outfall 009

Receiving stream Polly Branch to the Holston River (Outfall 001) and the Holston River at mile

106.7 (Outfall 002)

Facility latitude 36.370833 Facility longitude -82.979167

Applicant name TVA - Johnsonville Fossil Plant (JOF)

Permit number TN0005444 Permit Writer Initials PRM Discharger rating Major

County Humphreys EFO Name Nashville

Street Address/Location New Johnsonville

City and Zip Code New Johnsonville, TN 37134

Description of activity Modified 316(b) permit requirements because of EPA suspension of rule. Fossil

fueled steam-electric generating plant.

Effluent description ash pond effluent consisting of ash transport water, chemical and nonchemical metal

cleaning wastes, water treatment plant wastes, miscellaneous equipment cooling water, floor washing wastes, boiler makeup water leakage, boiler blowdown, ash system leakage & bottom overflow, Co-gen Building treated groundwater, combustion turbine wash water, groundwater seepage, Coal Crusher Building wash water, non-thermal sump discharge, coal pile runoff, and storm water runoff through

Outfall 001; steam condenser cooling water, miscellaneous equipment

cooling/lubricating water through Outfall 003; metal cleaning waste water through Outfall 005; intake screen backwash through Outfall 010; settled ash slurry from the main ash pond, runoff from ash stacking, and direct rainfall onto the sedimentation

ond

Receiving stream Tennessee River at mile 100.2 for Outfall 001, mile 100.4 for Outfall and 011, and

mile 99.4 for Outfalls 003, 010, 013, & 017

Facility latitude 36.334167 Facility longitude -86.417778

Applicant name TVA - Sequoyah Nuclear Plant

Permit number TN0026450 Permit Writer Initials PRM Discharger rating Major

County Hamilton EFO Name Chattanooga

Street Address/Location Sequoyah Access Road City and Zip Code Soddy Daisy, TN 37379

Description of activity Modification to permit to change 316(b) requirements based on suspension by EPA.

Production of electric power by thermonuclear fission and other associated

operations.

Effluent description process and non-process wastewater through Outfalls 101,102, 103,107,110, 116,

117 and 118.

Receiving stream Tennessee River at mile 483.65

Facility latitude 35.223056 Facility longitude -85.091111

Applicant name TVA Gallatin Fossil Plant

Permit number TN0005428 Permit Writer Initials PRM Discharger rating Major

County Sumner EFO Name Nashville

Street Address/Location 1499 Steam Plant Road City and Zip Code Gallatin, TN 37066

Description of activity Modification to permit to change 316(b) requirements based on suspension by EPA.

Fossil fueled steam-electric generating plant with capacity of 1,580.4 MW

Effluent description ash transport water, chemical and nonchemical metal cleaning wastes, water

treatment plant wastes, combustion turbine oil/water separator effluent, demineralization waste neutralization sump discharges, miscellaneous equipment cooling water, floor washing wastes, boiler makeup water leakage, boiler blowdown, chemical lab drain water, boiler bottom overflow sump discharge, powerhouse extension pump discharge, U-Building pad wash oil/water separator, car wash, ash sluice water leakage, coal pile runoff, and storm water runoff through Outfall 001; steam condenser cooling water, pulverizer cooling water, turbine oil cooling water, and hydrogen cooler cooling water through Outfall 002; intake screen backwash

through Outfall 004; and air conditioner noncontact co

Receiving stream Cumberland River at mile 240.5 (001), mile 242.5 (002, 006, & 009), and mile

244.5 (004)

Facility latitude 36.315500 Facility longitude -86.399700

# **Proposed Reissuances**

Applicant name East Elementary School

Permit number TN0056481 Permit Writer Initials HVA Discharger rating Minor

County Madison EFO Name Jackson

Street Address/Location 2480 Ashport Road City and Zip Code Jackson, TN 38305 Description of activity Extended aeration

Effluent description treated domestic wastewater from Outfall 001

Receiving stream unnamed tributary at mile 1.7 to Middle Fork Forked Deer River at mile 35.1

Facility latitude 35.722500 Facility longitude -88.757778

Applicant name KUB- Fourth Creek STP

Permit number TN0023574 Permit Writer Initials JAH Discharger rating Major

County Knox EFO Name **Knoxville** 

Street Address/Location 1500 Lyons Bend Rd. City and Zip Code Knoxville, TN 37919

Description of activity Treatment of municipal sewage

Effluent description treated municipal wastewater from Outfall 001

Receiving stream Tennessee River Mile 640

Facility latitude 35.916667 Facility longitude -83.970833

Applicant name KUB- Kuwahee STP

Permit number TN0023582 Permit Writer Initials JAH Discharger rating Major

County Knox EFO Name Knoxville

Street Address/Location 2015 Neyland Dr.

City and Zip Code Knoxville, TN 37916

Description of activity Treatment of municipal sewage

Effluent description treated municipal wastewater from Outfall 001

Receiving stream Tennessee River Mile 646.2

Facility latitude 35.944444 Facility longitude -83.926667

Applicant name Sparta STP

Permit number TN0061166 Permit Writer Initials PRM Discharger rating Major

County White EFO Name Cookeville

Street Address/Location 1099 McMinnville Highway (Doyle Highway)

City and Zip Code Sparta, TN 38583

Description of activity reissuance of NPDES permit for treatment of municipal sewage

Effluent description treated municipal wastewater from Outfall 001

Receiving stream Calfkiller River Mile 11.5

Facility latitude 35.908333 Facility longitude -85.475000

Applicant name United State Department of the Interior - Tremont Institute

Permit number TN0022594 Permit Writer Initials HVA Discharger rating Minor

County Sevier EFO Name Knoxville

Street Address/Location 9275 Tremont Road City and Zip Code Townsend, TN 37738

Description of activity Extended aeration

Effluent description treated domestic wastewater from Outfall 001

Receiving stream Middle Prong Little River at mile 2.5

Facility latitude 35.639722 Facility longitude -83.688055

Applicant name TVA Apalachia Hydro Plant

Permit number TN0030155 Permit Writer Initials MTS Discharger rating Minor

County Polk EFO Name Chattanooga

Street Address/Location TN Hwy 68
City and Zip Code Farner, TN 37333
Description of activity Electric Services

Effluent description cooling water and non-process wastewaters from multiple outfalls

Receiving stream Hiwassee River at mile 53.6

Facility latitude 35.183333 Facility longitude -84.437500

Applicant name TVA South Holston Hydro Plant

Permit number TN0027529 Permit Writer Initials MTS Discharger rating Minor

County Sullivan EFO Name Johnson City

Street Address/Location 918 S. Dam Drive, Near U.S. Hwy. 421

City and Zip Code Bristol, TN 37602 Description of activity Electric Services

Effluent description cooling water and non-process wastewaters from multiple outfalls

Receiving stream South Fork Holston River at mile 49.8

Facility latitude 36.525000 Facility longitude -82.091666

# **Proposed Terminations**

Applicant name Days Inn Kingston

Permit number TN0058971 Permit Writer Initials HVA Discharger rating Minor

County Roane EFO Name Knoxville

Street Address/Location 495 Gallaher Road City and Zip Code Kingston, TN 37763

Description of activity Extended aeration is now connected to the Kingston wastewater collection system.

Effluent description treated domestic wastewater from Outfall 001

Receiving stream Mile 0.1 of an unnamed tributary which enters Young Creek at mile 2.7

Facility latitude 35.872500 Facility longitude -84.441111

# **State Operation Permits**

### **Proposed Modifications**

Applicant name Water & Wastewater Authority of Wilson County - Sunset

**Harbor Treatment Facility** 

Permit number SOP-05019 Permit Writer Initials HVA Discharger rating Minor

County Wilson EFO Name Nashville

Street Address/Location Off of Saundersville Road City and Zip Code Mount Juliet, TN 37122

Description of activity Septic tanks, effluent collection system, recirculating sand filter and 10.74 acre drip

irrigation to include new subdivisions Sailboat Harbor and Paddock Place Subdivisions. The design flow is changed from 0.025 MGD to 0.1 MGD.

Wastewater description No discharge allowed from this system

Adjacent receiving stream N/A

Facility latitude 36.243889 Facility longitude -86.554444

### **Proposed New Issuances**

Applicant name Water and Wastewater Authority of Wilson County - Belle Isle

**Treatment Facility** 

Permit number SOP-07023 Permit Writer Initials HVA Discharger rating Minor

County Wilson EFO Name Nashville

Street Address/Location Off of Cairo Bend Road City and Zip Code Lebanon, TN 37087

Description of activity Septic tanks, collection system, recirculating media filter, UV disinfection and 160

acre golf course drip irrigation

Wastewater description No discharge allowed from this system

Adjacent receiving stream N/A

Facility latitude 36.33059 Facility longitude -86.37835

Applicant name East Sevier County Utility District-Hickory Landing

**Development WWTP** 

Permit number SOP-07009 Permit Writer Initials HVA Discharger rating Minor

County Jefferson EFO Name Knoxville

Street Address/Location Fain Road

City and Zip Code Sevierville, TN 37862

Description of activity Septic tanks, effluent collection system, packed-bed trickling filter, UV disinfection

and 1.38 acre drip irrigation

Wastewater description No discharge allowed from this system

Adjacent receiving stream N/A

Facility latitude 35.933055 Facility longitude -83.396388

### **Proposed Reissuances**

Applicant name Energy Solutions

Permit number SOP-01043 Permit Writer Initials JAH Discharger rating Minor

County Anderson EFO Name Knoxville

Street Address/Location U.S. Department of Energy Reservation, Y-12 Plant, Bear Creek Valley

City and Zip Code Oak Ridge, TN 37830

Description of activity Pump & haul

Wastewater description No discharge allowed

Adjacent receiving stream Bear Creek between North tributaries (NT) 4 and 5

Facility latitude 35.580000 Facility longitude -84.170000

Applicant name Motlow State Community College - Dept. 700

Permit number SOP-02031 Permit Writer Initials HVA Discharger rating Minor

County Moore EFO Name Columbia

Street Address/Location 6015 Ledford Mill Road

City and Zip Code Lynchburg, TN 37352

Description of activity Lift station pumped to Tullhoma STP

Wastewater description No discharge allowed

Adjacent receiving stream N/A

Facility latitude 35.365277 Facility longitude -86.297222

Applicant name H and H Oil Recovery, Inc.

Permit number SOP-01050 Permit Writer Initials JAH Discharger rating Minor

County Benton EFO Name Jackson

Street Address/Location 3580 Highway 641 South City and Zip Code Camden, TN 38320

Description of activity used oil recovery with pump and haul disposal to Wise Alloys LLC

Wastewater description No discharge allowed

Adjacent receiving stream Unnamed Tributary of Cypress Creek

Facility latitude 36.005590 Facility longitude -88.108210

Applicant name Rebound Care Corporation D/B/A Open Arms Care Corporation

Permit number SOP-96032 Permit Writer Initials HVA Discharger rating Minor

County Davidson EFO Name Nashville

Street Address/Location 5825 Cane Ridge Road City and Zip Code Antioch, TN 37013

Description of activity Septic tank, recirculating sand filter and drip irrigation

Wastewater description No discharge allowed

Adjacent receiving stream N/A

Facility latitude 36.015000 Facility longitude -86.645000

Applicant name William H. Dunlap Retirement Center. Inc.

Permit number SOP-92044 Permit Writer Initials HVA Discharger rating Minor

County Tipton EFO Name **Memphis** 

Street Address/Location 1495 Dunlap Orphanage Road

City and Zip Code Brighton, TN 38011

Description of activity Stabilization/evaporative pond and collection system

Wastewater description No discharge allowed

Adjacent receiving stream N/A

Facility latitude 35.411111 Facility longitude -89.677778

### **Proposed Terminations**

Applicant name KenJo Market-Kingston #28/Downey Oil Company, Inc.

Permit number SOP-99040 Permit Writer Initials HVA Discharger rating Minor

County Roane EFO Name Knoxville

Street Address/Location 505 Gallaher Road (KenJo, Inc. #26)

City and Zip Code Kingston, TN 37763

Description of activity Pump & haul of domestic wastwater to either Kingston STP or KUB Knoxville

STP is now connected to the Kingston STP.

Wastewater description No discharge allowed

Adjacent receiving stream N/A

Facility latitude 35.856648 Facility longitude -84.456368

Applicant name Pro Clean Unlimited

Permit number SOP-06061 Permit Writer Initials PRM Discharger rating Minor

County Washington EFO Name Johnson City

Street Address/Location 175 Circle Drive City and Zip Code Gray, TN 37615

Description of activity draft termination of SOP- no contract for disposal -mobile pressure washing.

Wastewater description No discharge allowed

Adjacent receiving stream none

Facility latitude Facility longitude

# **POTW - Pretreatment Program Approvals:**

#### None

The Division of Water Pollution Control is authorized to approve local POTW Pretreatment Programs for the administration and enforcement of the National Pretreatment Standards of Performance for industrial users of the respective Publicly Owned Treatment Works listed in this notice. Additionally, the POTW Programs are required to prevent the introduction of pollutants into the POTW's which will interfere with their operation, including the use or disposal of sludge, and prevent the introduction of pollutants into the POTW's which will pass through the treatment works or be otherwise incompatible. All POTW Pretreatment Programs approved are in accordance with the Tennessee Water Quality Control Act, the federal Clean Water Act, and appropriate regulations.

### **End of List**

#### **How to Comment:**

TDEC is requesting public comment on this permit action. Obtaining a broad range of facts and opinions on Agency actions is one of the best ways to ensure quality decisions. Persons wishing to comment on the proposed action are invited to submit comments in writing to the Division of Water Pollution Control at 6th Floor, L&C Tower, 401 Church Street, Nashville, TN 37243, Attn: Public Notice Coordinator, by fax number (615) 532-0686, or by E-mail at environment@state.tn.us. Comments must be received by the end of comment period date (see Page 1).

#### **How to Request a Public Hearing:**

Interested persons may request in writing that the Director of the Division of Water Pollution Control hold a public hearing on any application. The request must be filed within the comment period and must indicate the interest of the party filing it and the reasons why such a hearing is warranted. When there is significant public interest for a hearing, a hearing will be conducted according to Division of Water Pollution Control Rule 1200-4-5-.06(12). Public hearings will be announced through another public notice.

### **How the Department will Proceed:**

The Director of the Division of Water Pollution Control will determine the final permit action after considering comments submitted during the comment period, the hearing record, if any, and the requirements of the Federal and State acts and regulations.

### **To Obtain Permit Details:**

Draft permits or decisions regarding applications submitted to TDEC may be available electronically on the TDEC Internet site: http://www.state.tn.us/environment. Copies of the application(s) and draft permit(s) are also available for public inspection by contacting TDEC at environment@state.tn.us, by calling 1-888-891-TDEC (8332), or by visiting following locations during normal business hours:

Environmental Field Office - Chattanooga 540 McCallie Avenue, Suite 550 Chattanooga, TN 37402 –2013 (423) 634-5745 Bledsoe, Bradley, Grundy, Hamilton, Marion, McMinn, Meigs, Polk, Rhea, Sequatchie

Environmental Field Office - Columbia 2484 Park Plus Drive Columbia, TN 38506 (931) 380-3371

Bedford, Coffee, Franklin, Giles, Hickman, Lawrence, Lewis, Lincoln, Marshall, Maury, Moore, Perry, Wayne

Environmental Field Office - Cookeville 1221 South Willow Avenue Cookeville, TN 38401 (931) 432-4015

Environmental Field Office - Jackson 1625 Hollywood Drive Jackson, TN 38305 (731) 512-1300

Benton, Carroll, Chester, Crockett, Decatur, De Kalb, Dyer, Gibson, Hardeman, Hardin, Haywood, Henderson, Henry, Lake, Lauderdale, Madison, McNairy, Obion, Weakley

Environmental Field Office - Johnson City 2305 Silverdale Road Johnson City, TN 37601 (423) 854-5400 Carter, Greene, Hancock, Hawkins, Johnson, Sullivan, Unicoi, Washington

Environmental Field Office - Knoxville 3711 Middlebrook Pike Knoxville, TN 37921 (865) 594-6035

Anderson, Blount, Campbell, Claiborne, Cocke, Grainger, Hamblen, Jefferson, Knox, Loudon, Monroe, Morgan, Roane, Scott, Sevier, Union

Environmental Field Office - Memphis 2510 Mt. Moriah Road, Suite E-645 Memphis, TN 38115 -1511 (901) 368-7939 Fayette, Shelby, Tipton

Environmental Field Office - Nashville 711 R.S. Gass Boulevard Nashville, TN 37243 -1550 (615) 687-7000

Cheatham, Davidson, Dickson, Houston, Humphreys, Montgomery, Robertson, Rutherford, Stewart, Sumner, Trousdale, Williamson, Wilson

# **List of WPC Permit Writers**

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### **State of Tennessee Antidegradation Policy:**

Antidegradation determinations have been made in regard to the permits referenced in this Public Notice. Tennessee's Antidegradation Statement is found in Chapter 1200-4-3-.06 of the Rules of the Tennessee Department of Environment and Conservation. The primary purpose of the antidegradation policy is to establish a greater level of protection for those waters that are identified to be of high quality. Generally, there are two types of high quality waters. Some high quality waters are those at near pristine conditions. These outstanding National Resource Waters (ORNWs), or Tier 3 waters, are specifically designated by the Water Quality Control Board and are afforded the greatest level of protection. No new discharges or expansion of existing discharges are allowed to result in degradation of the existing water quality. Others are determined to be high quality due to specialized uses and/or unique features and are identified by the Department as Tier 2 waters and are also protected against degradation.

Some degradation may be allowed only if the Water Quality Control Board deems it economically and socially necessary. Other surface waters not specifically identified and/or designated as high quality are referred to as Tier 1 waters. Generally, new discharges or increases in existing discharges may be allowed in Tier 1 waters. The Division of Water Pollution Control's evaluation of such discharges may include the following provisions:

- The proposed lowering of water quality by the discharge is necessary for economic growth or community benefit; the proposed discharge can not be mitigated by reasonable pollution prevention measures; and
- · There is no other reasonable non-discharge alternative available to prevent the new/increased discharge to Tier 1 waters.

In all cases, the proposed discharge must meet water quality standards and fully protect all classified uses. Information used by the Division of Water Pollution Control in evaluating any of the above provisions is available upon request.

# State of Tennessee Policy of Non-Discrimination:

Pursuant to the State of Tennessee's policy of non-discrimination, the Tennessee Department of Environment and Conservation does not discriminate on the basis of race, sex, religion, color, national or ethnic origin, age, disability, or military service in its policies, or in the admission or access to, or treatment or employment in its programs, services or activities. Equal Employment Opportunity/Affirmative Action inquiries or complaints should be directed to the EEO/AA Coordinator, Office of General Counsel, 401 Church Street, 20th Floor L & C Tower, Nashville, TN 37243, 1-888-867-7455. ADA inquiries or complaints should be directed to the ADA Coordinator, Human Resources Division, 401 Church Street, 12th Floor L & C Tower, Nashville, TN 37243, 1-866-253-5827. Hearing impaired callers may use the Tennessee Relay Service (1-800-848-0298).

Please bring this notice to the attention of persons you believe will be interested.

Cannon, Clay, Cumberland, Fentress, Jackson, Macon, Overton, Pickett, Putnam, Smith, Van Buren, Warren, White